PROYECTO MINA DE COBRE PANAMA

ESTUDIO DE IMPACTO AMBIENTAL (EsIA)
CATEGORIA III

REGISTRO MENSUAL DE PRECIPITACIÓN

Documento No.
1510-013

Compromisos de EsIA Aplicables	Informe N°	Periodo reportado	Elaborado por	Fecha de Emisión del Reporte
13189	1510	Octubre 2015	Water & Earth Technologies	03/11/2015

PRECIPITATION REPORT

Station Number: 40080 Colina Vivero

LOCATION.-- Lat 8°49'39.06"N Long 80°39'24.6"W, at Minera Panama, District of Donoso, Province of Colon, Republic of Panama.

DRAINAGE AREA.-- N/A

PERIOD OF RECORD.-- 06/23/2014-Present

GAGE.-- 1mm Tipping bucket and datalogger with satellite telemetry

AVERAGE PRECIP.--

EXTREMES.-- 253.00mm on 12/13/2014

REMARKS.-- Values in mm

DAILY TOTAL VALUES OF PRECIPITATION, IN MM, CALENDAR YEAR JANUARY 2015 TO DECEMBER 2015

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	8.00	15.00	7.00	2.00	13.00	1.00	1.00	0.00	18.00	1.00	---	---
2	0.00	21.00	4.00	4.00	11.00	0.00	3.00	5.00	0.00	21.00	---	---
3	1.00	2.00	6.00	15.00	39.00	4.00	1.00	1.00	0.00	16.00	---	---
4	0.00	12.00	3.00	5.00	1.00	18.00	5.00	17.00	0.00	10.00	---	---
5	0.00	3.00	12.00	1.00	1.00	20.00	5.00	7.00	8.00	1.00	---	---
6	0.00	7.00	3.00	2.00	1.00	6.00	25.00	3.00	13.00	24.00	---	---
7	0.00	20.00	1.00	5.00	1.00	28.00	12.00	7.00	8.00	1.00	---	---
8	1.00	5.00	4.00	7.00	6.00	26.00	0.00	5.00	27.00	0.00	---	---
9	15.00	0.00	0.00	0.00	54.00	106.00	0.00	15.00	28.00	13.00	---	---
10	8.00	0.00	15.00	35.00	13.00	26.00	0.00	1.00	22.00	9.00	---	---
11	1.00	5.00	5.00	39.00	5.00	1.00	41.00	0.00	0.00	5.00	---	---
12	2.00	14.00	1.00	20.00	3.00	0.00	27.00	5.00	0.00	4.00	---	---
13	7.00	12.00	3.00	12.00	0.00	0.00	3.00	6.00	6.00	0.00	---	---
14	4.00	45.00	6.00	8.00	0.00	0.00	0.00	5.00	0.00	13.00	---	---
15	3.00	0.00	10.00	19.00	19.00	5.00	4.00	1.00	39.00	73.00	---	---
16	32.00	8.00	0.00	60.00	21.00	4.00	3.00	1.00	2.00	60.00	---	---
17	24.00	1.00	1.00	1.00	6.00	3.00	15.00	17.00	0.00	16.00	---	---
18	63.00	1.00	1.00	1.00	1.00	28.00	0.00	1.00	3.00	0.00	---	---
19	9.00	11.00	2.00	14.00	50.00	1.00	0.00	0.00	1.00	7.00	---	---
20	5.00	14.00	8.00	1.00	81.00	16.00	36.00	2.00	0.00	0.00	---	---
21	6.00	7.00	5.00	24.00	54.00	3.00	0.00	5.00	0.00	4.00	---	---
22	9.00	8.00	0.00	6.00	0.00	23.00	1.00	0.00	53.00	2.00	---	---
23	1.00	11.00	0.00	1.00	34.00	7.00	42.00	11.00	0.00	0.00	---	---
24	5.00	2.00	0.00	0.00	24.00	1.00	0.00	46.00	58.00	1.00	---	---
25	28.00	1.00	0.00	1.00	3.00	5.00	1.00	16.00	0.00	33.00	---	---
26	9.00	0.00	0.00	0.00	3.00	3.00	5.00	8.00	2.00	0.00	---	---
27	46.00	1.00	0.00	1.00	26.00	0.00	1.00	0.00	0.00	8.00	---	---
28	3.00	6.00	4.00	0.00	0.00	1.00	4.00	9.00	0.00	40.00	---	---
29	4.00	---	55.00	3.00	2.00	43.00	1.00	4.00	0.00	0.00	---	---
30	70.00	---	12.00	29.00	0.00	23.00	15.00	1.00	0.00	1.00	---	---
31	60.00	---	2.00	---	2.00	---	9.00	0.00	---	1.00	---	---
TOTAL	424.00	232.00	170.00	316.00	474.00	402.00	260.00	199.00	288.00	364.00	---	---
MEAN	13.68	8.29	5.48	10.53	15.29	13.40	8.39	6.42	9.60	11.74	---	---
MAX	70.00	45.00	55.00	60.00	81.00	106.00	42.00	46.00	58.00	73.00	---	---
MIN	0	0	0	0	0	0	0	0	0	0	---	---

PRECIPITATION REPORT

Station Number: 40100 Name: Rio Botija

LOCATION.-- Lat 8°50'9.76"N Long 80°37'3.88"W, at Minera Panama, District of Donoso, Province of Colon, Republic of Panama.

DRAINAGE AREA.-- 17.79 sq km.

PERIOD OF RECORD.-- 04/01/2012-Present

GAGE.-- 1mm Tipping bucket and datalogger with satellite telemetry

AVERAGE PRECIP.--

EXTREMES.-- 250.00mm on 12/13/2014

REMARKS.-- Values in mm

DAILY TOTAL VALUES OF PRECIPITATION, IN MM, CALENDAR YEAR JANUARY 2015 TO DECEMBER 2015

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.00	13.00	7.00	3.00	2.00	2.00	0.00	0.00	15.00	1.00	---	---
2	1.00	12.00	7.00	2.00	14.00	0.00	4.00	2.00	0.00	9.00	---	---
3	0.00	2.00	13.00	4.00	47.00	5.00	1.00	0.00	0.00	16.00	---	---
4	1.00	9.00	0.00	3.00	0.00	11.00	4.00	2.00	0.00	12.00	---	---
5	4.00	2.00	20.00	0.00	0.00	42.00	10.00	4.00	15.00	1.00	---	---
6	1.00	16.00	4.00	1.00	1.00	3.00	17.00	1.00	11.00	23.00	---	---
7	0.00	5.00	1.00	3.00	2.00	51.00	27.00	3.00	7.00	1.00	---	---
8	3.00	1.00	3.00	4.00	7.00	34.00	0.00	38.00	8.00	0.00	---	---
9	16.00	0.00	1.00	0.00	53.00	78.00	0.00	23.00	35.00	14.00	---	---
10	2.00	0.00	10.00	23.00	6.00	48.00	0.00	0.00	15.00	9.00	---	---
11	1.00	3.00	3.00	59.00	13.00	0.00	53.00	0.00	1.00	6.00	---	---
12	1.00	10.00	1.00	39.00	2.00	0.00	24.00	2.00	0.00	33.00	---	---
13	8.00	12.00	1.00	14.00	0.00	1.00	1.00	3.00	2.00	0.00	---	---
14	1.00	15.00	6.00	6.00	6.00	0.00	1.00	5.00	0.00	29.00	---	---
15	9.00	33.00	15.00	20.00	36.00	3.00	4.00	0.00	29.00	38.00	---	---
16	19.00	3.00	0.00	46.00	27.00	1.00	2.00	0.00	0.00	26.00	---	---
17	24.00	0.00	1.00	4.00	19.00	1.00	14.00	4.00	0.00	6.00	---	---
18	59.00	1.00	0.00	3.00	2.00	21.00	0.00	1.00	6.00	0.00	---	---
19	8.00	13.00	4.00	6.00	50.00	2.00	0.00	0.00	0.00	0.00	---	---
20	0.00	9.00	10.00	3.00	89.00	20.00	87.00	2.00	0.00	0.00	---	---
21	16.00	7.00	5.00	30.00	44.00	6.00	1.00	4.00	0.00	2.00	---	---
22	8.00	10.00	0.00	19.00	0.00	13.00	0.00	0.00	90.00	1.00	---	---
23	1.00	3.00	0.00	2.00	64.00	7.00	31.00	2.00	0.00	0.00	---	---
24	8.00	9.00	0.00	0.00	19.00	3.00	0.00	32.00	27.00	3.00	---	---
25	21.00	13.00	0.00	2.00	0.00	6.00	0.00	9.00	0.00	24.00	---	---
26	11.00	0.00	0.00	0.00	4.00	2.00	2.00	7.00	9.00	0.00	---	---
27	25.00	0.00	0.00	1.00	22.00	0.00	0.00	0.00	0.00	2.00	---	---
28	1.00	3.00	7.00	0.00	0.00	2.00	8.00	5.00	1.00	57.00	---	---
29	4.00	---	33.00	0.00	1.00	47.00	4.00	3.00	2.00	0.00	---	---
30	52.00	---	22.00	15.00	0.00	24.00	22.00	1.00	4.00	2.00	---	---
31	41.00	---	1.00	---	0.00	---	6.00	0.00	---	5.00	---	---
TOTAL	348.00	204.00	175.00	312.00	530.00	433.00	323.00	153.00	277.00	320.00	---	---
MEAN	11.23	7.29	5.65	10.40	17.10	14.43	10.42	4.94	9.23	10.32	---	---
MAX	59.00	33.00	33.00	59.00	89.00	78.00	87.00	38.00	90.00	57.00	---	---
MIN	0	0	0	0	0	0	0	0	0	0	---	---

PRECIPITATION REPORT

Station Number: 40140 Name: W-46

LOCATION.-- Lat 8°57'17.57"N Long 80°40'17.35"W, at Minera Panama, District of Donoso, Province of Colon, Republic of Panama.

DRAINAGE AREA.-- N/A

PERIOD OF RECORD.-- 01/24/2013-Present

GAGE.-- 1mm Tipping bucket and datalogger with satellite telemetry

AVERAGE PRECIP.--

EXTREMES.-- 217.00mm on 06/28/2013

REMARKS.-- Values in mm

DAILY TOTAL VALUES OF PRECIPITATION, IN MM, CALENDAR YEAR JANUARY 2015 TO DECEMBER 2015

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	7.00	28.00	3.00	4.00	1.00	9.00	1.00	1.00	12.00	0.00	---	---
2	2.00	18.00	6.00	2.00	38.00	0.00	0.00	3.00	0.00	12.00	---	---
3	1.00	7.00	3.00	7.00	10.00	0.00	3.00	2.00	0.00	17.00	---	---
4	2.00	18.00	5.00	12.00	0.00	10.00	20.00	1.00	0.00	76.00	---	---
5	0.00	5.00	33.00	1.00	4.00	4.00	9.00	10.00	54.00	7.00	---	---
6	1.00	9.00	3.00	4.00	5.00	0.00	54.00	49.00	58.00	57.00	---	---
7	1.00	8.00	1.00	1.00	7.00	1.00	81.00	24.00	20.00	3.00	---	---
8	2.00	10.00	5.00	3.00	35.00	43.00	1.00	4.00	65.00	14.00	---	---
9	13.00	0.00	0.00	3.00	21.00	195.00	0.00	117.00	64.00	7.00	---	---
10	1.00	1.00	3.00	59.00	3.00	22.00	5.00	3.00	34.00	7.00	---	---
11	0.00	4.00	1.00	104.00	14.00	2.00	106.00	0.00	7.00	6.00	---	---
12	2.00	11.00	1.00	54.00	3.00	0.00	162.00	13.00	0.00	0.00	---	---
13	15.00	5.00	0.00	12.00	1.00	4.00	0.00	11.00	3.00	0.00	---	---
14	5.00	18.00	5.00	24.00	4.00	10.00	7.00	22.00	0.00	0.00	---	---
15	21.00	13.00	28.00	68.00	95.00	3.00	4.00	9.00	37.00	8.00	---	---
16	22.00	8.00	1.00	92.00	128.00	14.00	44.00	9.00	26.00	16.00	---	---
17	12.00	4.00	2.00	7.00	5.00	2.00	29.00	17.00	0.00	7.00	---	---
18	90.00	1.00	0.00	35.00	12.00	34.00	7.00	10.00	1.00	1.00	---	---
19	23.00	28.00	1.00	10.00	88.00	3.00	0.00	7.00	0.00	2.00	---	---
20	9.00	17.00	8.00	50.00	104.00	46.00	103.00	22.00	0.00	0.00	---	---
21	30.00	31.00	5.00	31.00	83.00	95.00	2.00	78.00	12.00	6.00	---	---
22	25.00	8.00	0.00	31.00	0.00	47.00	11.00	0.00	2.00	4.00	---	---
23	1.00	5.00	0.00	0.00	77.00	7.00	14.00	3.00	0.00	0.00	---	---
24	12.00	4.00	0.00	2.00	21.00	9.00	1.00	65.00	49.00	11.00	---	---
25	22.00	7.00	1.00	2.00	2.00	1.00	3.00	16.00	0.00	8.00	---	---
26	13.00	0.00	0.00	0.00	3.00	1.00	0.00	3.00	0.00	13.00	---	---
27	21.00	4.00	1.00	3.00	81.00	2.00	2.00	0.00	0.00	18.00	---	---
28	4.00	14.00	25.00	0.00	0.00	9.00	28.00	28.00	8.00	0.00	---	---
29	7.00	---	5.00	0.00	9.00	23.00	6.00	31.00	1.00	0.00	---	---
30	56.00	---	28.00	7.00	0.00	49.00	38.00	0.00	17.00	6.00	---	---
31	81.00	---	1.00	---	0.00	---	25.00	0.00	---	6.00	---	---
TOTAL	501.00	286.00	175.00	628.00	854.00	645.00	766.00	558.00	470.00	312.00	---	---
MEAN	16.16	10.21	5.65	20.93	27.55	21.50	24.71	18.00	15.67	10.06	---	---
MAX	90.00	31.00	33.00	104.00	128.00	195.00	162.00	117.00	65.00	76.00	---	---
MIN	0	0	0	0	0	0	0	0	0	0	---	---

PRECIPITATION REPORT

Station Number: 40160 Name: Punta Rincón

LOCATION.-- Lat 9°0'16.2"N Long 80°41'53.8"W, at Minera Panama, District of Donoso, Province of Colon, Republic of Panama.

DRAINAGE AREA.-- N/A

PERIOD OF RECORD.-- 09/18/2013-Present

GAGE.-- 1mm Tipping bucket and datalogger with satellite telemetry

AVERAGE PRECIP.--

EXTREMES.-- 316.00mm on 12/06/2013

REMARKS.-- Values in mm

DAILY TOTAL VALUES OF PRECIPITATION, IN MM, CALENDAR YEAR JANUARY 2015 TO DECEMBER 2015

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.00	14.00	0.00	0.00	1.00	6.00	0.00	0.00	2.00	4.00	---	---
2	1.00	18.00	5.00	2.00	5.00	0.00	0.00	0.00	0.00	1.00	---	---
3	0.00	0.00	2.00	0.00	27.00	0.00	0.00	1.00	0.00	13.00	---	---
4	0.00	12.00	2.00	4.00	0.00	19.00	3.00	0.00	0.00	92.00	---	---
5	1.00	7.00	10.00	2.00	8.00	6.00	7.00	7.00	47.00	26.00	---	---
6	0.00	5.00	2.00	1.00	7.00	0.00	21.00	47.00	45.00	71.00	---	---
7	0.00	1.00	0.00	0.00	34.00	2.00	138.00	16.00	25.00	0.00	---	---
8	2.00	4.00	1.00	1.00	75.00	14.00	11.00	5.00	69.00	8.00	---	---
9	9.00	1.00	0.00	0.00	42.00	54.00	1.00	34.00	69.00	15.00	---	---
10	1.00	0.00	2.00	49.00	0.00	6.00	0.00	0.00	36.00	20.00	---	---
11	1.00	7.00	4.00	68.00	1.00	0.00	59.00	0.00	2.00	39.00	---	---
12	3.00	6.00	1.00	28.00	1.00	0.00	131.00	41.00	0.00	0.00	---	---
13	18.00	1.00	0.00	8.00	0.00	25.00	3.00	2.00	2.00	12.00	---	---
14	1.00	23.00	5.00	27.00	3.00	24.00	1.00	25.00	4.00	0.00	---	---
15	39.00	10.00	11.00	60.00	54.00	6.00	6.00	23.00	15.00	5.00	---	---
16	9.00	2.00	0.00	118.00	90.00	4.00	4.00	21.00	32.00	9.00	---	---
17	10.00	1.00	0.00	54.00	5.00	6.00	52.00	39.00	0.00	1.00	---	---
18	45.00	0.00	0.00	28.00	12.00	35.00	17.00	7.00	0.00	5.00	---	---
19	5.00	4.00	1.00	29.00	87.00	0.00	0.00	3.00	0.00	0.00	---	---
20	0.00	10.00	8.00	16.00	111.00	15.00	74.00	21.00	0.00	0.00	---	---
21	0.00	9.00	0.00	44.00	66.00	109.00	1.00	144.00	0.00	25.00	---	---
22	49.00	10.00	0.00	55.00	0.00	29.00	4.00	0.00	0.00	6.00	---	---
23	9.00	1.00	0.00	0.00	39.00	9.00	15.00	11.00	0.00	1.00	---	---
24	8.00	0.00	0.00	0.00	26.00	0.00	0.00	104.00	16.00	26.00	---	---
25	4.00	3.00	0.00	0.00	4.00	0.00	1.00	32.00	0.00	4.00	---	---
26	19.00	0.00	3.00	1.00	1.00	2.00	0.00	5.00	0.00	1.00	---	---
27	10.00	7.00	0.00	2.00	135.00	0.00	1.00	14.00	0.00	0.00	---	---
28	6.00	4.00	3.00	0.00	0.00	5.00	37.00	6.00	23.00	0.00	---	---
29	17.00	---	2.00	0.00	8.00	22.00	13.00	31.00	0.00	0.00	---	---
30	29.00	---	48.00	8.00	1.00	37.00	52.00	0.00	4.00	11.00	---	---
31	35.00	---	4.00	---	0.00	---	59.00	0.00	---	16.00	---	---
TOTAL	332.00	160.00	114.00	605.00	843.00	435.00	711.00	639.00	391.00	411.00	---	---
MEAN	10.71	5.71	3.68	20.17	27.19	14.50	22.94	20.61	13.03	13.26	---	---
MAX	49.00	23.00	48.00	118.00	135.00	109.00	138.00	144.00	69.00	92.00	---	---
MIN	0	0	0	0	0	0	0	0	0	0	---	---

PRECIPITATION REPORT

Station Number: 40180 Name: Botija Laydown

LOCATION.-- Lat 8.848496 N Long 80.644634 W, at Minera Panama, District of Donoso, Province of Colon, Republic of Panama.

DRAINAGE AREA.-- N/A

PERIOD OF RECORD.-- 03/14/2014-Present

GAGE.-- 1mm Tipping bucket and datalogger with satellite telemetry

AVERAGE PRECIP.--

EXTREMES.-- 257.00mm on 12/13/2014

REMARKS.-- Values in mm

DAILY TOTAL VALUES OF PRECIPITATION, IN MM, CALENDAR YEAR JANUARY 2015 TO DECEMBER 2015

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	3.00	17.00	5.00	4.00	1.00	2.00	0.00	0.00	8.00	1.00	---	---
2	1.00	15.00	5.00	5.00	8.00	0.00	1.00	---	0.00	47.00	---	---
3	1.00	3.00	6.00	5.00	37.00	3.00	2.00	---	0.00	19.00	---	---
4	0.00	14.00	1.00	2.00	2.00	34.00	9.00	---	0.00	12.00	---	---
5	1.00	2.00	19.00	0.00	0.00	32.00	9.00	2.00	28.00	3.00	---	---
6	0.00	8.00	10.00	1.00	3.00	1.00	22.00	1.00	11.00	29.00	---	---
7	0.00	19.00	0.00	6.00	2.00	50.00	21.00	6.00	10.00	0.00	---	---
8	0.00	1.00	4.00	10.00	33.00	25.00	4.00	4.00	27.00	0.00	---	---
9	14.00	0.00	0.00	0.00	53.00	100.00	0.00	27.00	40.00	23.00	---	---
10	6.00	0.00	11.00	36.00	10.00	24.00	0.00	0.00	22.00	9.00	---	---
11	0.00	3.00	6.00	69.00	5.00	0.00	58.00	0.00	1.00	7.00	---	---
12	1.00	15.00	1.00	42.00	2.00	0.00	30.00	2.00	0.00	8.00	---	---
13	8.00	9.00	0.00	15.00	1.00	11.00	5.00	10.00	4.00	0.00	---	---
14	3.00	16.00	6.00	6.00	0.00	0.00	1.00	7.00	3.00	3.00	---	---
15	5.00	36.00	14.00	18.00	22.00	4.00	5.00	0.00	49.00	33.00	---	---
16	27.00	5.00	1.00	67.00	30.00	1.00	3.00	1.00	1.00	56.00	---	---
17	21.00	1.00	1.00	2.00	8.00	1.00	11.00	29.00	0.00	13.00	---	---
18	83.00	0.00	0.00	3.00	4.00	30.00	0.00	2.00	5.00	0.00	---	---
19	11.00	17.00	2.00	11.00	58.00	0.00	0.00	1.00	0.00	1.00	---	---
20	2.00	17.00	6.00	5.00	81.00	27.00	50.00	5.00	0.00	0.00	---	---
21	11.00	10.00	8.00	18.00	61.00	3.00	0.00	6.00	1.00	9.00	---	---
22	11.00	11.00	0.00	25.00	0.00	34.00	1.00	0.00	68.00	0.00	---	---
23	1.00	10.00	0.00	1.00	41.00	6.00	38.00	7.00	0.00	0.00	---	---
24	12.00	3.00	0.00	1.00	26.00	4.00	0.00	56.00	26.00	2.00	---	---
25	35.00	4.00	0.00	2.00	4.00	3.00	0.00	10.00	0.00	40.00	---	---
26	9.00	0.00	0.00	0.00	4.00	1.00	4.00	8.00	3.00	0.00	---	---
27	36.00	1.00	0.00	1.00	26.00	1.00	0.00	0.00	0.00	0.00	---	---
28	1.00	4.00	4.00	0.00	0.00	1.00	4.00	10.00	0.00	35.00	---	---
29	4.00	---	42.00	0.00	1.00	53.00	3.00	2.00	5.00	0.00	---	---
30	75.00	---	17.00	21.00	0.00	23.00	30.00	0.00	1.00	2.00	---	---
31	87.00	---	1.00	---	0.00	---	5.00	0.00	---	1.00	---	---
TOTAL	469.00	241.00	170.00	376.00	523.00	474.00	316.00	196.00	313.00	353.00	---	---
MEAN	15.13	8.61	5.48	12.53	16.87	15.80	10.19	6.32	10.43	11.39	---	---
MAX	87.00	36.00	42.00	69.00	81.00	100.00	58.00	56.00	68.00	56.00	---	---
MIN	0	0	0	0	0	0	0	0	0	0	---	---

PRECIPITATION REPORT

Station Number: 40200 Name: Rio del Medio

LOCATION.-- Lat 8°55'54.99"N Long 80°40'10.71"W, at Minera Panama, District of Donoso, Province of Colon, Republic of Panama.

DRAINAGE AREA.-- 41.49 sq km.

PERIOD OF RECORD.-- 04/01/2012-Present

GAGE.-- 1mm Tipping bucket and datalogger with satellite telemetry

AVERAGE PRECIP.--

EXTREMES.-- 341.00mm on 11/20/2012

REMARKS.-- Values in mm

DAILY TOTAL VALUES OF PRECIPITATION, IN MM, CALENDAR YEAR JANUARY 2015 TO DECEMBER 2015

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	8.00	49.00	7.00	4.00	17.00	8.00	1.00	0.00	9.00	0.00	---	---
2	1.00	34.00	5.00	4.00	46.00	0.00	2.00	7.00	0.00	31.00	---	---
3	2.00	7.00	4.00	10.00	50.00	0.00	1.00	4.00	0.00	25.00	---	---
4	3.00	36.00	4.00	14.00	0.00	11.00	36.00	3.00	0.00	79.00	---	---
5	2.00	8.00	34.00	3.00	5.00	22.00	10.00	25.00	48.00	5.00	---	---
6	1.00	16.00	6.00	2.00	8.00	1.00	72.00	55.00	62.00	46.00	---	---
7	1.00	14.00	2.00	2.00	5.00	2.00	71.00	44.00	19.00	0.00	---	---
8	6.00	12.00	11.00	8.00	21.00	44.00	0.00	10.00	76.00	7.00	---	---
9	12.00	0.00	0.00	0.00	37.00	169.00	0.00	150.00	95.00	4.00	---	---
10	2.00	0.00	8.00	69.00	3.00	39.00	11.00	7.00	61.00	6.00	---	---
11	0.00	5.00	5.00	186.00	26.00	0.00	107.00	0.00	4.00	7.00	---	---
12	2.00	11.00	1.00	58.00	6.00	0.00	207.00	20.00	0.00	1.00	---	---
13	13.00	13.00	2.00	21.00	0.00	1.00	2.00	13.00	2.00	1.00	---	---
14	10.00	22.00	3.00	21.00	3.00	3.00	14.00	21.00	0.00	0.00	---	---
15	17.00	36.00	25.00	102.00	148.00	4.00	4.00	9.00	65.00	8.00	---	---
16	45.00	10.00	1.00	114.00	184.00	7.00	58.00	11.00	25.00	38.00	---	---
17	13.00	4.00	1.00	17.00	5.00	3.00	29.00	20.00	0.00	15.00	---	---
18	133.00	0.00	3.00	53.00	19.00	35.00	1.00	12.00	0.00	0.00	---	---
19	27.00	25.00	0.00	5.00	111.00	6.00	0.00	2.00	0.00	2.00	---	---
20	7.00	19.00	10.00	47.00	125.00	59.00	96.00	40.00	0.00	0.00	---	---
21	25.00	20.00	7.00	27.00	99.00	66.00	2.00	73.00	15.00	3.00	---	---
22	34.00	15.00	0.00	33.00	1.00	67.00	15.00	0.00	4.00	17.00	---	---
23	1.00	4.00	0.00	1.00	118.00	10.00	43.00	10.00	0.00	0.00	---	---
24	20.00	2.00	0.00	2.00	43.00	8.00	2.00	94.00	79.00	10.00	---	---
25	34.00	7.00	0.00	2.00	1.00	2.00	4.00	19.00	2.00	11.00	---	---
26	16.00	0.00	1.00	0.00	7.00	0.00	1.00	8.00	0.00	4.00	---	---
27	41.00	4.00	1.00	3.00	86.00	1.00	0.00	0.00	0.00	5.00	---	---
28	7.00	20.00	14.00	0.00	2.00	7.00	32.00	15.00	2.00	0.00	---	---
29	13.00	---	9.00	0.00	11.00	54.00	3.00	27.00	1.00	0.00	---	---
30	100.00	---	25.00	20.00	0.00	81.00	45.00	0.00	7.00	7.00	---	---
31	135.00	---	1.00	---	0.00	---	14.00	0.00	---	9.00	---	---
TOTAL	731.00	393.00	190.00	828.00	1187.00	710.00	883.00	699.00	576.00	341.00	---	---
MEAN	23.58	14.04	6.13	27.60	38.29	23.67	28.48	22.55	19.20	11.00	---	---
MAX	135.00	36.00	34.00	186.00	184.00	169.00	207.00	150.00	95.00	79.00	---	---
MIN	0	0	0	0	0	0	0	0	0	0	---	---

PRECIPITATION REPORT

Station Number: 40500 Name: Rio Petaquilla

LOCATION.-- Lat 8°50'22.31"N Long 80°41'56.11"W, at Minera Panama, District of Donoso, Province of Colon, Republic of Panama.

DRAINAGE AREA.-- 10.98 sq km.

PERIOD OF RECORD.-- 04/01/2012-Present

GAGE.-- 1mm Tipping bucket and datalogger with satellite telemetry

AVERAGE PRECIP.--

EXTREMES.-- 231.00mm on 11/18/2012

REMARKS.-- Values in mm

DAILY TOTAL VALUES OF PRECIPITATION, IN MM, CALENDAR YEAR JANUARY 2015 TO DECEMBER 2015

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	---	---	---	---	0.00	6.00	3.00	---	20.00	20.00	---	---
2	---	---	---	---	15.00	0.00	7.00	---	0.00	65.00	---	---
3	---	---	---	---	78.00	4.00	1.00	---	0.00	73.00	---	---
4	---	---	---	---	0.00	58.00	24.00	---	0.00	43.00	---	---
5	---	---	---	---	4.00	39.00	6.00	---	11.00	1.00	---	---
6	---	---	---	---	8.00	6.00	89.00	---	25.00	45.00	---	---
7	---	---	---	---	12.00	54.00	12.00	5.00	18.00	0.00	---	---
8	---	---	---	---	8.00	46.00	---	7.00	48.00	0.00	---	---
9	---	---	---	---	49.00	57.00	---	42.00	45.00	36.00	---	---
10	---	---	---	---	27.00	20.00	---	0.00	39.00	5.00	---	---
11	---	---	---	---	24.00	0.00	---	0.00	0.00	9.00	---	---
12	---	---	---	---	6.00	0.00	---	13.00	0.00	4.00	---	---
13	---	---	---	---	4.00	1.00	---	15.00	3.00	0.00	---	---
14	---	---	---	---	8.00	8.00	---	14.00	0.00	14.00	---	---
15	---	---	---	---	88.00	9.00	---	9.00	80.00	48.00	---	---
16	---	---	---	---	29.00	11.00	---	1.00	3.00	94.00	---	---
17	---	---	---	---	10.00	2.00	---	26.00	0.00	5.00	---	---
18	---	---	---	---	3.00	40.00	---	13.00	0.00	0.00	---	---
19	---	---	---	---	68.00	2.00	---	3.00	3.00	1.00	---	---
20	---	---	---	---	137.00	37.00	---	12.00	0.00	0.00	---	---
21	---	---	---	---	84.00	5.00	---	18.00	4.00	6.00	---	---
22	---	---	---	0.00	1.00	29.00	---	0.00	28.00	3.00	---	---
23	---	---	---	1.00	35.00	30.00	---	30.00	3.00	0.00	---	---
24	---	---	---	0.00	56.00	3.00	---	61.00	63.00	3.00	---	---
25	---	---	---	0.00	7.00	0.00	---	34.00	0.00	50.00	---	---
26	---	---	---	0.00	2.00	9.00	---	8.00	0.00	27.00	---	---
27	---	---	---	2.00	118.00	0.00	---	0.00	2.00	6.00	---	---
28	---	---	---	0.00	1.00	0.00	---	20.00	0.00	29.00	---	---
29	---	---	---	4.00	5.00	49.00	---	6.00	0.00	1.00	---	---
30	---	---	---	29.00	0.00	69.00	---	1.00	0.00	6.00	---	---
31	---	---	---	---	0.00	---	---	0.00	---	6.00	---	---
TOTAL	---	---	---	36.00	887.00	594.00	142.00	338.00	395.00	600.00	---	---
MEAN	---	---	---	1.20	28.61	19.80	20.29	10.90	13.17	19.35	---	---
MAX	---	---	---	29.00	137.00	69.00	89.00	61.00	80.00	94.00	---	---
MIN	---	---	---	0	0	0	0	0	0	0	---	---

PRECIPITATION REPORT

Station Number: 40700 Name: Caimito Wx

LOCATION.-- Lat 9°1'13.31"N Long 80°41'1.92"W, at Minera Panama, District of Donoso, Province of Colon, Republic of Panama.

DRAINAGE AREA.-- N/A.

PERIOD OF RECORD.-- 12/07/2011-Present

GAGE.-- 1mm Tipping bucket and datalogger with satellite telemetry

AVERAGE PRECIP.--

EXTREMES.-- 248.00mm on 12/06/2013

REMARKS.-- Values in mm

DAILY TOTAL VALUES OF PRECIPITATION, IN MM, CALENDAR YEAR JANUARY 2015 TO DECEMBER 2015

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.00	7.00	3.00	1.00	2.00	7.00	0.00	0.00	4.00	3.00	---	---
2	0.00	8.00	6.00	2.00	5.00	0.00	0.00	1.00	0.00	2.00	---	---
3	0.00	6.00	4.00	0.00	34.00	0.00	6.00	0.00	0.00	6.00	---	---
4	0.00	20.00	1.00	8.00	1.00	18.00	2.00	0.00	0.00	69.00	---	---
5	1.00	9.00	6.00	1.00	15.00	6.00	6.00	5.00	35.00	7.00	---	---
6	0.00	6.00	1.00	3.00	23.00	1.00	21.00	39.00	45.00	89.00	---	---
7	0.00	2.00	0.00	0.00	53.00	3.00	116.00	8.00	21.00	0.00	---	---
8	3.00	22.00	3.00	4.00	24.00	13.00	20.00	1.00	40.00	0.00	---	---
9	3.00	0.00	0.00	0.00	13.00	65.00	0.00	31.00	94.00	19.00	---	---
10	0.00	0.00	1.00	25.00	6.00	3.00	1.00	0.00	35.00	21.00	---	---
11	0.00	6.00	2.00	27.00	1.00	0.00	47.00	1.00	5.00	34.00	---	---
12	4.00	9.00	0.00	10.00	3.00	2.00	73.00	21.00	1.00	0.00	---	---
13	12.00	1.00	0.00	11.00	0.00	38.00	8.00	3.00	2.00	0.00	---	---
14	1.00	12.00	3.00	12.00	0.00	17.00	1.00	19.00	2.00	0.00	---	---
15	48.00	2.00	8.00	37.00	29.00	21.00	4.00	16.00	21.00	6.00	---	---
16	4.00	4.00	0.00	104.00	127.00	2.00	4.00	7.00	30.00	11.00	---	---
17	9.00	2.00	0.00	16.00	10.00	2.00	39.00	36.00	0.00	0.00	---	---
18	49.00	2.00	0.00	22.00	6.00	30.00	25.00	10.00	0.00	21.00	---	---
19	4.00	2.00	0.00	23.00	109.00	0.00	1.00	3.00	0.00	2.00	---	---
20	1.00	13.00	1.00	2.00	108.00	7.00	96.00	18.00	0.00	0.00	---	---
21	1.00	11.00	1.00	54.00	53.00	103.00	2.00	154.00	0.00	16.00	---	---
22	32.00	3.00	0.00	23.00	1.00	25.00	3.00	0.00	0.00	16.00	---	---
23	7.00	2.00	0.00	0.00	41.00	3.00	9.00	12.00	0.00	3.00	---	---
24	15.00	1.00	0.00	0.00	27.00	1.00	0.00	120.00	4.00	32.00	---	---
25	6.00	1.00	0.00	0.00	3.00	0.00	1.00	33.00	2.00	2.00	---	---
26	3.00	0.00	1.00	2.00	0.00	2.00	0.00	5.00	0.00	8.00	---	---
27	5.00	14.00	0.00	3.00	135.00	0.00	1.00	14.00	0.00	1.00	---	---
28	4.00	0.00	9.00	0.00	0.00	0.00	51.00	8.00	17.00	0.00	---	---
29	8.00	---	1.00	0.00	7.00	21.00	12.00	33.00	2.00	2.00	---	---
30	31.00	---	16.00	9.00	1.00	18.00	36.00	0.00	2.00	20.00	---	---
31	7.00	---	3.00	---	0.00	---	80.00	0.00	---	19.00	---	---
TOTAL	258.00	165.00	70.00	399.00	837.00	408.00	665.00	598.00	362.00	409.00	---	---
MEAN	8.32	5.89	2.26	13.30	27.00	13.60	21.45	19.29	12.07	13.19	---	---
MAX	49.00	22.00	16.00	104.00	135.00	103.00	116.00	154.00	94.00	89.00	---	---
MIN	0	0	0	0	0	0	0	0	0	0	---	---